

**APPENDIX****FIREARM INJURIES**

W32: Handgun discharge

W33: Rifle, shotgun and larger firearm discharge

W3400: Discharge from BB gun

W3401: Discharge from air gun

W3408: Discharge from other specified firearms

W3409: Discharge from unspecified firearm

X93: Assault by handgun discharge

X94: Assault by rifle, shotgun & larger firearm discharge

X9500: Assault by BB gun discharge

X9501: Assault by air gun discharge

X9508: Assault by other specified firearm discharge

X9509: Assault by unspecified firearm discharge

X72: Intentional self-harm by handgun discharge

X73: Intentional self-harm by rifle, shotgun & larger firearm discharge

X7400: Intentional self-harm BB gun discharge

X7401: Intentional self-harm air gun discharge

X7408: Intentional self-harm other specified firearm discharge

X7409: Intentional self-harm by unspecified firearm discharge

Y22: Handgun discharge undetermined intent

Y23: Rifle shotgun & larger firearm discharge undetermined intent

Y2400: BB gun discharge, undetermined intent

Y2401: Air gun discharge, undetermined intent

Y2408: Other specified firearm discharge, undetermined intent

Y2409: Unspecified firearm discharge, undetermined intent

Y35.0 - Legal intervention involving firearm discharge

**INTENT****Unintentional Firearm Injury (ORGD only use the first 3 digits W32, W33, W34)**

W32: Handgun discharge

W33: Rifle, shotgun and larger firearm discharge

W3400: Discharge from BB gun

W3401: Discharge from air gun

W3408: Discharge from other specified firearms

W3409: Discharge from unspecified firearm

**Assault from firearm (intentional). ORGD only use the first 3 digits X93, X94, X95**

X93: Assault by handgun discharge

X94: Assault by rifle, shotgun & larger firearm discharge

X9500: Assault by BB gun discharge

X9501: Assault by air gun discharge

X9508: Assault by other specified firearm discharge

X9509: Assault by unspecified firearm discharge

Self-harm from firearm (suicide) ORGD only use the first 3 digits X72, X73, X74

X72: Intentional self-harm by handgun discharge

X73: Intentional self-harm by rifle, shotgun & larger firearm discharge

X7400: Intentional self-harm BB gun discharge

X7401: Intentional self-harm air gun discharge

X7408: Intentional self-harm other specified firearm discharge

X7409: Intentional self-harm by unspecified firearm discharge

Intent unknown (undetermined) ORGD only use the first 3 digits Y22, Y23, Y24

Y22: Handgun discharge undetermined intent

Y23: Rifle shotgun & larger firearm discharge undetermined intent

Y2400: BB gun discharge, undetermined intent

Y2401: Air gun discharge, undetermined intent

Y2408: Other specified firearm discharge, undetermined intent

Y2409: Unspecified firearm discharge, undetermined intent

Legal Interventions

Y35.0 - Legal intervention involving firearm discharge

If there were multiple intents in one injury episode, the following rules were used to decide the intent

Assault\*intent unknown = assault

Assault\*legal intervention = assault

Self-harm\*intent unknown = self-harm

Unintentional\*assault = assault

Unintentional\*assault\*legal intervention = assault

Unintentional\*intent unknown = unintentional

Unintentional\*legal intervention = unintentional

Unintentional\*self-harm = self-harm.

**WEAPON TYPE**

Handgun

W32: Handgun discharge

X93: Assault by handgun discharge

X72: Intentional self-harm by handgun discharge

Y22: Handgun discharge undetermined intent

Rifle

W33: Rifle, shotgun and larger firearm discharge

X94: Assault by rifle, shotgun & larger firearm discharge

X73: Intentional self-harm by rifle, shotgun & larger firearm discharge

Y23: Rifle shotgun & larger firearm discharge undetermined intent

**BB Guns and Airgun**

W3400: Discharge from BB gun

W3401: Discharge from air gun

X9500: Assault by BB gun discharge

X9501: Assault by air gun discharge

X7400: Intentional self-harm BB gun discharge

X7401: Intentional self-harm air gun discharge

Y2400: BB gun discharge, undetermined intent

Y2401: Air gun discharge, undetermined intent

**Other and Unspecified**

W3408: Discharge from other specified firearms

W3409: Discharge from unspecified firearm

X9508: Assault by other specified firearm discharge

X9509: Assault by unspecified firearm discharge

X7408: Intentional self-harm other specified firearm discharge

X7409: Intentional self-harm by unspecified firearm discharge

Y2408: Other specified firearm discharge, undetermined intent

Y2409: Unspecified firearm discharge, undetermined intent

**Multiple weapons, the following rules apply:**

BB\*other = BB

Handgun\*BB = First use hospitalization record, then use handgun

Handgun\*other = Handgun

Handgun\*rifle = First use hospitalization and then use handgun

Rifle\*BB and Rifle\*other = Rifle.

**PLACE OF INJURY OCCURRENCE**

Home or residential institution: U980, U981

School, other institution/public area: U982, U9820, U9828

Athletic areas: U983

Street/highway: U984

Trade/service/industrial/construction area: U985, U986

Farm: U987

Other/unspecified: U988, U989

**DATA SOURCES AND ASSOCIATED STUDY VARIABLES**

<b>Data source</b>	<b>Variables</b>	<b>Linkage rates (for April 2003 – March 2018)</b>
Registered Person Database (RPDB)	Patient sex, residential postal code, date of birth	
Immigration, Refugees and Citizenship Canada's Permanent Resident Database	Immigration status	74.0% - 90.9%
Ontario Registrar General – Deaths	Death	98.0% - 100.0%
National Ambulatory Care Reporting System	Emergency department visits, diagnoses	97.2% - 97.8%
Canadian Institutes for Health Information Discharge Abstract Database	Hospitalizations, diagnoses	97.6% - 98.0%
Ontario Marginalization Index	Material deprivation quintile	
2016 Canadian Census	Rurality	